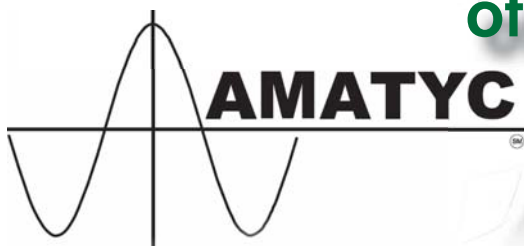


CONNECTIONS

AlaMATYC Revitalization Conference

AlaMATYC is the
Alabama affiliate
of



SHELTON STATE

C O M M U N I T Y C O L L E G E

Tuscaloosa, Alabama
February 12, 2010

CONNECTIONS

Conference Schedule

- 8:15 – 9:00 a.m. Registration, Meet & Greet – Atrium
- 9 – 10:00 a.m. Keynote Address, Pat McKeague – Recital Hall
- 10 – 10:30 a.m. Break
- 10:30 – 11:20 a.m. Breakout Session I
- 11:30 a.m. – 1:00 p.m. Lunch, door prizes, entertainment, and more – Dining Hall (near Atrium)
- 1 – 1:45 p.m. Business Meeting
- 2 – 2:50 p.m. Breakout Session II
- 3 – 4:00 p.m. Closing Address, Pat McKeague – Recital Hall

Why CONNECTIONS?

Making connections is the primary goal of this conference.

- We want to connect with something we hear from our keynote speaker.
- We want to connect with shared ideas that we can take back and use in the classroom.
- We want to connect with each other as we strengthen our ties as mathematics instructors in the state of Alabama.
- We want to connect with our parent organization, AMATYC, as a valuable resource to enrich our instruction and professional development.
- We want to make as many connections as possible to increase our effectiveness as instructors, which will result in stronger connections between us and our students and mathematics.

CONNECTIONS...that's what it's all about.

PAT McKEAGUE, Keynote Speaker



Pat McKeague earned his BA in Mathematics from California State University, Northridge and his MS in Mathematics from Brigham Young University. He began his teaching career at Lompoc High School in Lompoc, California in 1970. In 1973 he became a full-time instructor at Cuesta College in San Luis Obispo, California. He has written 16 textbooks in mathematics. Pat is very active in the mathematics community and is a frequent speaker at mathematics conferences around the country. He was on the writing team for the American Mathematics Association for Two-Year Colleges (AMATYC) Beyond Crossroads Mathematics Standards project. In 2007 he was awarded the AMATYC Presidential Award for his service to the two-year college mathematics community.

Keynote Address

Pat McKeague

Alabama Power Foundation Recital Hall

Five Minutes to a More Satisfying Course

Description: Too many topics, too little time? Give yourself a five-minute break and see what you can accomplish. Invite your students to become community college instructors, share what brought you to mathematics, give a view of mathematics that unites cultures and disciplines. All this and more, five minutes at a time.

Closing Session

Pat McKeague

Alabama Power Foundation Recital Hall

A Spiritual Side to Mathematics?

Description: Our colleague Pat McKeague thinks so. Join us as Pat shows how the patterns and connections in mathematics can strengthen our spiritual perspective. We start with a simple sequence of numbers and end with fractals and chaos. Along the way we meet philosophers and mathematicians from Pythagoras and Fibonacci to Descartes, Pascal, and Stephen Hawking. If you like mathematics, this talk is for you. If you dislike mathematics, this talk is especially for you.

BREAKOUT SESSIONS

Breakout Session Times: 10:30 – 11:20 a.m. and 2 – 2:50 p.m.

Motivating Today's Algebra Students

Jeff Hughes

Hinds Community College, Raymond, MS

morning session only - Room 2902

Description: Strategies for motivating today's students will be shared. Activities that ignite student's interest, engage students during lecture, and enhance the quality of their classroom experience will be demonstrated.

Effect of Class Size on Student Outcomes

Jim Gleason

University of Alabama, Tuscaloosa, AL

morning session only - Room 2831

Description: We will look at what research has found regarding the impact of class size on student achievement and satisfaction and then compare that with what I've found at UA studying College Algebra and Applied Calculus courses.

Test Creation: What are we measuring?

Jim Gleason

University of Alabama, Tuscaloosa, AL

afternoon session only - Room 2831

Description: Using a College Algebra final exam as a starting point, we will discuss the purpose of testing and how we should design tests based on those goals.

The Right Stuff: Modules for Courses Below Calculus
Kathy Mowers
Owensboro Community & Technical College, Owensboro, KY
morning session only - Room 2901

Description: Information on and examples of The Right Stuff modules, designed by faculty to promote improvement in courses that traditionally attract non-STEM students, will be offered.

The Right Stuff: Appropriate Mathematics for All Students
Kathy Mowers
Owensboro Community & Technical College, Owensboro, KY
afternoon session only -- Room 2901

Description: Shorter activities you can add easily to your classes so your students can experience the Right Stuff whether they are in STEM or non-STEM classes will be encountered.

Mathematical Modeling and Curve Fitting using Excel
Robert Vilardi & Dr. John Boncek
Troy University, Montgomery Campus
morning session only -- Room 2912

Description: Students of mathematics constantly wonder where they will see the usefulness of what they have been taught. One area where students are able to draw these connections is in mathematical modeling with Excel.



SESSIONS BY CORPORATE SPONSORS

All Math Software is not Created Equal: What's the Difference?

Abby McBride

Hawkes Learning Systems

both sessions -- Room 2830

Description: The use of technology has become increasingly implemented, but what makes one software system different from another? Hawkes Learning Systems is a unique program proven to be more effective in improving performance. Discover how its differences make Hawkes the perfect solution for student success!

Technology: Has it changed the way we teach?

Sandee House

Georgia Perimeter College & Pearson Education

both sessions -- Room 2911

Description: From calculators to course management to open source materials on the Internet, technology continues to change at the speed of light! How do we determine the highest and best use of technology in order to become more effective teachers - in and outside of the classroom? This presentation looks at effective uses of technology to improve the learning/teaching process.

Using Enhanced WebAssign Technology to Teach College Mathematics

Kim Ricketts

Northwest Shoals CC & Cengage Learning Systems

both sessions -- Room 2825

Description: Using Enhanced WebAssign in college mathematics courses is not only easy for both instructors and students; it promotes success. (Instructions and applications will be shown.)

Traditional Flexibility:

Using Tegrity Videos to Enhance Content Delivery

Tina Evans

Shelton State CC & Tegrity Video Systems

afternoon only -- Room 2902

Description: See how Tegrity videos, along with the incorporation of Power Point slides and graphing calculator software, has been invaluable in creating video lectures that can be used for primary instruction or review purposes.

ALEKS
Helping students succeed through Assessment,
Learning, and Remediation
Tracy Elliott
McGraw-Hill Publishing
both sessions -- Room 2826

Description: **A**ssessment and **L**Earning in **K**nowledge **S**paces is a Web-based, assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS provides the advantages of one-on-one instruction, 24/7, from virtually any Web-based computer for a fraction of the cost of a human tutor.

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Shelton State Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the Associate in Arts, Associate in Science, and the Associate in Applied Science degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, or call 404.679.4500 for questions about the accreditation of Shelton State Community College.